

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:


California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, (MS-25)
PO Box 4025
Sacramento, CA 95812-4025

General Instructions:

Please select the ONE choice below that best explains your request to the Board.

- ☐ 1. Use a recent generation-based study to calculate our current reporting year generation amount, but not officially change our existing Board-approved base year.
- ☒ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative by calling (916) 341-6199.

Section I: Jurisdiction Information and Certification			
All respondents must complete this section:			
I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:			
Jurisdiction Name		County	
West Contra Costa Integrated Waste Management		Contra Costa	
Authorized Signature		Title	
		Executive Director	
Type/Print Name of Person Signing		Date	Phone () Include Area Code
Steve Devine		10/4/2002	(510) 215-3127
Person Completing This Form (please print or type)		Title	
Michelle Nicholls		Consultant	
Affiliation:		SCS Engineers	
Mailing Address		City	State
One Alvarado Square		San Pablo	CA
E-Mail Address		ZIP Code	
steved@recyclemore.com		94806	

Section II: Information for New Generation-Based Study for Existing or New Base Year

Attach additional sheets if necessary—reference each response to the appropriate cell number (e.g., "4").

Note: New base years must be representative of a jurisdiction's disposal and diversion.

1. Current Board-approved existing base year:

1990

2. Proposed new generation-based study year:

2001

3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:

2001 was a typical year for this Region. There were no major "out of the ordinary" events such as an earthquake, massive demolition project, etc. Since 1990 there have been drastic improvements in how both disposal and diversion are tracked and recorded. For example, we are now measuring much better the diversion of self-hauled waste which has helped boost the accurate representation of this Region's waste diversion performance.

4. Enter diversion rate information below.

Diversion rate calculated using existing base year

a. N/A* %

Diversion rate calculated using new generation-based study

b. 42 %

For existing base year pounds/person/day based on generation

7.843512592

For new generation based study pounds/person/day based on generation

10.19862943

Residential generation 36.66 % Non-Residential generation 63.34 %

Residential generation 26% % Non-Residential generation 74% %

Population existing generation-based study 803,732

Population new generation-based study 981,600

5. If there is an increase from 4a to 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples (e.g., change in jurisdiction's demographics).

The increase from 4a (*which we believe will be 32% ~ 33% when the final adjustment factors become available) to 4b at 42% is consistent with the reality of this Region's aggressive implementation and adoption of many diversion programs -- which are listed in Question 6 below. The shift in the proportion of waste generation -- which shows an increase in non-residential generation is consistent with this Region's improved economic base which has occurred over the past decade. While there has been population growth in this area, there has been a more aggressive improvement in the overall local economy. In the late 80's and early 90's this Region suffered from many closed warehouses and industrial facilities, closing shopping centers, and other economic hardships. Much of that has improved over the last decade.

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

The significant increase in the reported diversion rate is due to the more accurate measurement of the many diversion programs implemented over the past decade which include: curbside recycling programs accepting a wide range of materials; curbside yardwaste; commercial collection of organics from produce stores, markets and florists; commercial collection of source separated materials such as cardboard; many years of promotion of home composting; an excellent HHW and CESQG facility; a massive self-hauled waste diversion and recycling facility at the local landfill site; aggressive promotion of waste prevention through local and regional outreach programs; pursuit and implementation of waste diversion grants; winning awards from Keep California Beautiful for outreach excellence; implementation of an innovative apartment house recycling baskets program; and many other efforts.

7. Disposal Tonnage (enter values):	59059	151667	210726
	Residential	Non-Residential	Total

Please select the **ONE** choice below that best explains your disposal data and complete the required tables.

☒ a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc)

☐ c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc)

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. **Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested.** Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, agricultural wastes, inert solids [e.g., concrete, asphalt, dirt,] white goods, and scrap metal, please identify those programs/waste types and fill out Section 10. Please mark as Attachment 8 all copies of survey forms.

*Please provide detailed Non-Residential waste information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation with multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/Peris/Codes/Reduce.htm					
Residential Source Reduction Activities					
Backyard composting	92	0.0%	Miscellaneous organic material	750 lbs/bin per Year, CIWMB	Hauler Reports, Residential Surveys; SCS Engineers
Grasscycling	30	0.0%	Grass	350 lbs/1000 ft ² , CIWMB	Residential Surveys; SCS Engineers
Other Residential Source Reduction (list each program separately)					
Donations	16	0.0%	Clothing	225lb/cy, Tellus and reported by residents	Residential Surveys; SCS Engineers
Use of Canvas Bags or Reuse Grocery Bags	5	0.0%	Paper and plastic bags	Combination of 25 lbs dry goods=.5 lbs each, USEPA, .77 lbs/100 plastic grocery bags.	Residential Surveys; SCS Engineers
Toner Cartridge Return and Other Reuse	2	0.0%	Windows, computers, magazines, metal hangers, books, reuse paper, diapers, and food.	Combination of 2.5 lbs/toner cartridge, USEPA; .75lb/diaper, SCS Engineers Waste Characterization studies; 50lb/computer; as reported by residents	Residential Surveys; SCS Engineers
Enter program name		0.0%			
Enter program name		0.0%			
Subtotal, Residential Source Reduction	145	0.0%			
Residential Recycling Activities					
Curbside Recycling	20781	5.7%	Paper, cardboard, aluminum, glass, PET, HDPE, and PS	Actual tonnage	Franchised hauler information
Buyback Centers	8216	2.3%	Aluminum, glass, plastic, and bi-metal	Actual tonnage	California Department of Conservation
Drop-off Centers	3039	0.8%	Scrap aluminum, tin cans, scrap steel, cardboard, mixed paper, and magazines..	Calculations based on bills of lading, some actual tonnage	El Cerrito Recycling Center (includes city curbside)

Division Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwm.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Other Residential Recycling (list each program separately)					
Wood	8	0.0%	Wood	329.5lb/cy, Tellus	Residential Surveys; SCS Engineers
Food	2	0.0%	Food	1.443lb/cy, Tellus	Residential Surveys; SCS Engineers
Textiles, Grease, Tires, and Other Recyclables	47	0.0%	Textiles, grease, tires, ewaste, roof tar, paper, newspaper, cardboard, and metal	225lb/cy, Tellus; 7.5lb/gal, USEPA; 20lb/tire, USEPA; 50lb/computer, USEPA; 363.5 lb/yd3, USEPA; 400 lb/yd3, USEPA; 2,919 lb/yd3, Tellus; 226.5 lb/yd3, USEPA; reported by residents	Residential Surveys; SCS Engineers
Subtotal, Residential Recycling	32093	8.8%			
Residential Composting Activities					
Green Waste Drop-off	0	0.0%			
Curbside Green Waste	3229	0.9%	Greenwaste and Christmas Trees	Reported tonnage, see right for explanation	Franchised haulers information, difference between what was reported by the haulers and what appeared on the County DRS and state-reported ADC.
Christmas Tree Program					
Other Residential Composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Composting	3229	0.9%			
Subtotal, Residential Diversion	35467	9.8%			
Non-Residential Source Reduction Activities:					
Non-Residential Waste Audits*	0	0.0%	See Section 9	See Section 9	See Section 9
Other Non-Residential Source Reduction (list each program separately)					
Grasscycling and Mulching	6591	1.8%	Greenwaste	350 lb/1000 ft2, CIWMB; 527 lb/yd3, Tellus	Government Surveys, Business Surveys; SCS Engineers
Road Repaving	19922	5.5%	Asphalt and Gravel	Reported amount of road replaced; 1,380 lb/yd3, Tellus, 2565 lb/yd3, FEECO	Government Surveys, Business Surveys; SCS Engineers
Pallet Reuse through Refurbishment	384	0.1%	Wood pallets	40 lb/pallet, USEPA	Government Surveys, Business Surveys; SCS Engineers
Toner Cartridge Return and Other Reuse	671	0.2%	Toner cartridges, cardboard, paper, plastic, books, styrofoam,	2.5 lb ea, USEPA; 2.2 lb/medium box, USEPA; 5 lb/ream, 22.5 lb/yd3, Tellus; 1.5 lb/33 gal, USEPA; as reported by business	Government Surveys, Business Surveys; SCS Engineers
Food donation	663	0.2%	Produce and bakery	produce 1,443 lb/yd3, Tellus; bread 18 lb/ft3, FEECO; as reported by business	Government Surveys, Business Surveys; SCS Engineers
Subtotal, Non-Residential Source Reduction	28231	7.8%			

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmbe.ca.gov/LGCentral/Pans/Codes/Reduce.htm	(A)	(A/Total Generation)			
Recycling					
Non-Residential Waste Audits*			See Section 9	See Section 9	See Section 9
Other Non-Residential Recycling (list each program separately)					
Commercial Recycling Program	15889	4.4%	Paper, cardboard, aluminum, glass, PET, HDPE, and PS	Reported tonnage	Hauler Reports
Government Recycling	2	0.0%	Paper	Reported tonnage	Government Surveys; SCS Engineers
Business Recycling	20784	5.7%	Cardboard, paper, food, fat (rendering), film plastic, and wood	See Attachment 9	Business Surveys; SCS Engineers
Subtotal Non-Residential Recycling	36684	10.1%			
Non-Residential Composting Activities					
Non-Residential Waste Audits*	662	0.2%	See Section 9	See Section 9	See Section 9
Other Non-Residential Composting (list each program separately)					
Subtotal Non-Residential Composting	662	0.2%			
Subtotal Non-Residential Diversion Residential/Non-Residential Diversion Activities	65447	18.0%			
ADC	10808	2.9%	Greenwaste, construction and demolition debris, and other ADC	Actual tonnage	CIWMB DRS Reports
Sludge					
Scrap Metal					
Construction and Demolition	31404	8.6%	Concrete	Reported tonnage	Report from local landfill who collects the concrete and sends to another facility for processing
Landfill Salvage	9478	2.6%	Metal, cardboard, tires, wood, white goods	Reported tonnage	Report from local landfill, not reported in DRS
Subtotal Residential/Non-Residential Diversion	51490	14.2%			
Total Res/Non-Res Source Reduction Tons	28378	7.8%			
Total Diversion Tons	152404	42.0%			
Total Disposal Tons from Sec.7	210726	58.0%			
Total Generation Tons (Div+Dis)	363130				
Diversion Rate					
	42%				

9. Specific Non-Residential Sector Waste Audits--Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.

(Table will perform all addition calculations).

Type of Non-Residential Generator	Audit Reference Number	Specific/Major Diversion Activities Include Material Type (e.g., paper recycling, grasscycling). (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section 8)	Survey Method Phone (P) Mail (M) On-site (O) Other _____
Refinery	1	Wood, cardboard recycling		14119		14119	3.9%	O
Retail	2	Cardboard, grease, and tire recycling; cardboard reuse, food donation, pallet repair	565	641		1206.31	0.3%	O
Golf Course	3	Grasscycling, onsite mulching	933			933.08	0.3%	O
Retail	4	Cardboard recycling, cardboard reuse, and toner cartridge refurbishing	0	252		252.12	0.1%	O
Restaurant	5	Cardboard, glass container, plastic container, bi-metal container, and grease recycling		499		498.8	0.1%	O
Retail grocery	6	Cardboard, meat and bone, and film plastic recycling, food donation	205	389		594.02	0.2%	O
Golf Course	7	Grasscycling, onsite mulching	571			570.54	0.2%	O
Newspaper	8	Mixed paper and newspaper recycling		446		445.96	0.1%	O
Retail	9	Cardboard recycling		271		271	0.1%	O
Cemetery	10	Grasscycling, toner cartridge return, mixed paper recycling	351	4		355.02	0.1%	O
Totals			2624.12	16621.73		19245.85	5.3%	

Also provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources (e.g., cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business).

Refinery, Audit Reference #1

Cardboard Recycling (79.0 tons): based on total amount baled per month per the contact person.

Wood Recycling (14,040.0 tons): based on total amount collected per week per the contact person and quantified at 500lb/cy, per contact.

Retail, Audit Reference #2

Grease rendering (378.84 tons): based on reported collected amounts and quantified using the USEPA conversion factor of 410 lb/55 gal.
Wood pallet refurbishment (360 tons): based on number of pallets sent for repair and quantified using the USEPA conversion factor of 40lb/pallet.
Cardboard recycling (252 tons): based on baled estimates using the USEPA conversion factor of 700 lb/yd3 bale.
Cardboard reuse (198 tons): based on number of boxes reused at facility and quantified using the USEPA conversion factor of 2.2 lb/medium box.
Food donations (7.2 tons): based on the amount of food donated per day and quantified using the USEPA conversion factor of 18 lb/ft3 bread.
Fat rendering (3.87 tons): based on reported collected amounts and quantified using the USEPA conversion factor of 7.45 lb/gal.
Tire recycling (1.04 tons): based on reported number of tires sent for recycling and quantified using the USEPA conversion factor of 20 lb/car tire.

Golf Course, Audit Reference #3

Grasscycling (912 tons): based on the acreage of grass being grasscycled per the contact person and quantified using the CIWMB conversion factor of 7.6 tons/acre per year.
Greenwaste chipping (21.08 tons): based on reported 80 yd3 chipped material produced per year and quantified using the Tellus conversion factor of 527 lb/yd3.

Retail, Audit Reference #4

Cardboard recycling (252 tons): based on baled estimates using the USEPA conversion factor of 700 lb./yd3 bale.
Cardboard reuse (.11 tons): based on number of boxes reused at facility and quantified using the USEPA conversion factor of 2.2 lb/medium box.
Toner cartridge refurbishing (.01 tons): based on reported number of cartridges returned for refurbishment and quantified using the USEPA conversion factor of 2.5 lb/cartridge.

Restaurant, Audit Reference #5

Glass recycling (247.1 tons): based on collected amounts and quantified using the USEPA conversion factor of 22 lb/case (12 oz. bottles).
Tin Cans (176.8): based on collected amounts and quantified using the USEPA conversion factor of 850 lb/yd3.
Cardboard recycling (69.33 tons): based on collected amounts and quantified using the USEPA conversion factor of 400 lb/yd3 (compacted).
Grease rendering (3.87 tons): based on amount of grease collected for rendering and quantified using the USEPA conversion factor of 7.45 lb/gal
HDPE recycling (1.72 tons): based on collected amounts and quantified using the USEPA conversion factor of .33 lb./gal jug.

Retail Grocery, Audit Reference #6

Cardboard recycling (341.7 tons): quantified by the location's recycling contractor.
Food donation (204.6 tons): based on reported total of donations, per store manager.
Meat and bone rendering (37.9 tons): quantified by the location's recycling contractor.
Film plastic recycling (9.82 tons): quantified by the location's recycling contractor.

Golf Course, Audit Reference #7

Grasscycling (570.0 tons): based on the acreage of grass being grasscycled per the contact person and quantified using the CIWMB conversion factor of 7.6 tons/acre per year.
Greenwaste Mulching (.54 tons): based on reported 10 yd3 mulch produced per year and quantified using the USEPA conversion factor of 325 lb/3yd3.

Newspaper, Audit Reference #8

Paper Recycling (29.96 tons): based on amount recycled per month per the contact person and quantified using the USEPA conversion factor of 363.5 lbs/yd3.
Newspaper Recycling (416 tons): based on amount recycled per week per the contact person and quantified using the USEPA conversion factor of 400 lb/yd3.

Retail, Audit Reference #9

Cardboard Recycling (271 tons): quantified by the location's corporate office.

Cemetery, Audit Reference #10

Grasscycling (1,067.22 tons): based on the acreage of grass grasscycled per the contact person and quantified using the CIWMB conversion factor of 7.6 tons/acre/year.

Paper recycling (4.44 tons): based on reported amount recycled per week and quantified using the CIWMB conversion factor of 363.5 lb/yd³.

Toner cartridge refurbishment (.98 tons): based on reported number of cartridges returned for refurbishment and quantified using the USEPA conversion factor of 2.5 lb/cartridge.

10. For each restricted waste type (i.e., agricultural waste, inert solids, [e.g. concrete, asphalt, dirt, etc.] scrap metals and white goods [PRC section 41781.2]) and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.

Note: program name refers to one specific diversion program for that waste type (e.g., "Diversion conducted by city public waste dept."

Restricted Waste Type	Specific Program Name	Year Started	Tonnage
Inert Solids ▼	Diversion conducted at local landfill by sending to another facility for pr	1990	31,404 (2001)
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			

b. If the diversion program started before January 1, 1990 - and if documentation on the program and waste type has not been approved by the Board - on a separate sheet marked "Attachment 10b", provide the documentation that indicates:

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion (PRC sec. 41781.2 [c] [1]).
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (**Note** : this criterion is applicable to the entire jurisdiction, not to individual programs (PRC sec. 41781.2 [c] [2]). Please include documentation.
- That the jurisdiction is implementing, and will continue to implement, the diversion programs in its source reduction and recycling element.

Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.

Instead please provide date of Board approval of previously submitted information.

_____ (Date)

If documentation is not available, go to 10d.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Diversion Tonnage
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. **Note** : Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Tonnage	1990 Diversion Tonnage	Difference
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				

TABLE 1. SUMMARY OF ALL BUSINESSES SURVEYED - WEST CONTRA COSTA COUNTY (Attachment 9)

Ref. #	Type of Business	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
1	Refinery	57,460	Both	6,295.66	Recycling	Cardboard	79.00	79 tons/yr per manager
1					Recycling	Wood	14,040.00	500 lbs/yd3 per manager
2	Retail	3,744	Compactor	946.59	Recycling	Cardboard	252.00	700 lbs/bale, USEPA
2					Reuse	Cardboard	198.00	1.1 lbs each (small), USEPA
2					Reuse	Food (donation)	7.20	18 lbs/ft3 (bread), FEBCO
2					Recycling	Fat (rendering)	9.23	57 lbs/ft3, FEBCO
2					Recycling	Fat (rendering)	63.96	410 lbs/55 gallon drum, USEPA
2					Reuse	Wood pallets		40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
2					Reuse	Wood pallets	360.00	40 lbs each, USEPA; full credit for repair
2					Recycling	Tires	1.04	20 lbs each (car tire), USEPA
3	Golf Course	260	Roll off	28.49	Source reduce (Grasscycle)	Grass	912.00	7.6 tons/acre/year, CIWMB
3					Reuse	Green waste	21.08	527 lbs/yd3 (shredded prunings), Tellus
4	Retail	1,872	Roll off	473.29	Reuse	Cardboard	0.11	2.2 lbs each (medium), USEPA
4					Recycling	Cardboard	252.00	700 lbs/yd3 bale, USEPA
4					Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA
5	Restaurant	1872	Roll off	205.11	Recycling	Cardboard	69.33	400 lbs/yd3 (compacted), USEPA
5					Recycling	Glass	247.10	22 lbs/case (12 oz. bottles), USEPA
5					Recycling	Fat (rendering)	3.87	7.45 lbs/gallon, USEPA
5					Recycling	Plastic (HDPE)	1.72	0.33 lbs/1 gallon jug, USEPA
5					Recycling	Tin cans	176.80	850 lbs/yd3, USEPA
6	Retail grocery	389	Compactor	98.40	Recycling	Cardboard	341.70	700 lbs/yd3 bale, USEPA
6					Composting	Food (compost)	204.60	per store manager
6					Recycling	Fat (rendering)	37.90	57 lbs/ft3, FEBCO
6					Recycling	Plastic (film)	9.82	22.55 lbs/yd3, Tellus
7	Golf Course		Roll off		Source reduce (Grasscycle)	Grass	570.00	7.6 tons/acre/year, CIWMB
7					Reuse (mulching)	Green waste	0.54	325 lbs/3yd3, USEPA
8	Newspaper	499	Roll off	54.70	Recycling	Paper (mixed)	29.96	363.5 lbs/yd3, USEPA
8					Recycling	Newspaper	416.00	400 lbs/yd3 (loose), USEPA
9	Retail	837	Compactor	211.74	Recycling	Cardboard	271.00	700 lbs/yd3 bale, USEPA
10	Cemetery	1144	Roll off	125.34	Source reduce (Grasscycle)	Green waste (grasscycling)	349.60	7.6 tons/acre/year - CIWMB
10					Recycling	Paper (mixed)	4.44	363.5 lbs/yd3, USEPA
10					Reuse	Toner cartridge	0.02	2.5 lbs each, USEPA
11	Retail grocery	526	Compactor	133.10	Recycling	Cardboard	177.10	700 lbs/yd3 bale, USEPA
11					Composting	Food (compost)	97.42	per store manager
11					Recycling	Fat (rendering)	21.80	57 lbs/ft3, FEBCO
11					Recycling	Plastic (film)	5.40	22.55 lbs/yd3, Tellus
11					Reuse	Paper (white)	0.05	5 lbs/ream, USEPA
11					Reuse	Toner cartridge	0.00	2.5 lbs each, USEPA
12	Retail	300	Compactor	75.85	Recycling	Cardboard	364.00	700 lbs/yd3 bale, USEPA
12					Recycling	Paper (mixed)	0.30	363.5 lbs/yd3, USEPA
12					Reuse	Toner cartridge	0.02	2.5 lbs each, USEPA
13	Restaurant	468	Roll off	51.28	Recycling	Cardboard	126.00	700 lbs/yd3 bale, USEPA
13					Reuse	Food (donation)	0.06	per store manager
13					Recycling	Fat (rendering)	292.41	57 lbs/ft3, FEBCO
13					Recycling	Paper (white)	0.06	10.01 lbs/13 gallons (office paper), USEPA
14	Discount grocery	520	Compactor	131.47	Recycling	Cardboard	244.20	700 lbs/yd3 bale, USEPA
14					Recycling	Alum. Cans	0.10	5.61 lbs/33 gallons, USEPA
14					Reuse	Food (donation)	10.78	per store manager
14					Recycling	Fat (rendering)	6.23	57 lbs/ft3, FEBCO
14					Recycling	Plastic bottles (HDPE)	0.15	0.1 lbs/8 oz bottle, USEPA
14					Recycling	Plastic bottles (HDPE)	0.48	0.33 lbs/1 gallon jug, USEPA
14					Recycling	Plastic (film)	2.71	22.55 lbs/yd3, Tellus
14					Reuse	Plastic crates (HDPE)	0.00	2 lbs/13 gallon crate, per manager (not included)
14					Reuse	Toner cartridge	0.03	2.5 lbs each, USEPA

TABLE 1. SUMMARY OF ALL BUSINESSES SURVEYED - WEST CONTRA COSTA COUNTY (Attachment 9)

Ref. #	Type of Business	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
15	Retail grocery	624	Roll off	157.76	Recycling	Cardboard	218.40	700 lbs/yd3 bale, USEPA
15					Reuse	Food (donation)	2.81	18 lbs/ft3 (bread), FEECO
15					Recycling	Fat (rendering)	10.66	410 lbs/55 gallon drum, USEPA
15					Recycling	Paper (white)	0.05	10.01 lbs/13 gallons (office paper), USEPA
15					Recycling	Plastic (HDPE)	27.30	1.2 lbs each (beverage case), USEPA
15					Reuse	Plastic (HDPE)	5.07	1.5 lbs each (bread case), USEPA
16	Retail grocery	472	Compactor	119.50	Recycling	Cardboard	181.90	700 lbs/yd3 bale, USEPA
16					Composting	Food (compost)	100.10	per store manager
16					Recycling	Fat (rendering)	22.40	57 lbs/ft3, FEECO
16					Recycling	Plastic (film)	5.61	22.55 lbs/yd3, Tellus
17	Discount grocery	520	Compactor	131.47	Recycling	Cardboard	267.11	700 lbs/yd3 bale, USEPA
17					Reuse	Food (donation)	11.79	per store manager
17					Recycling	Fat (rendering)	6.23	57 lbs/ft3, FEECO
17					Recycling	Plastic bottles (HDPE)	0.25	0.1 lbs/8 oz bottle, USEPA
17					Recycling	Plastic bottles (HDPE)	0.83	0.33 lbs/1 gallon jug, USEPA
17					Recycling	Plastic (film)	2.57	22.55 lbs/yd3, Tellus
18	Discount grocery	520	Compactor	131.47	Recycling	Cardboard	233.22	700 lbs/yd3 bale, USEPA
18					Reuse	Food (donation)	10.29	per store manager
18					Recycling	Fat (rendering)	6.23	57 lbs/ft3, FEECO
18					Recycling	Plastic bottles (HDPE)	0.25	0.1 lbs/8 oz bottle, USEPA
18					Recycling	Plastic bottles (HDPE)	0.67	0.33 lbs/1 gallon jug, USEPA
18					Recycling	Plastic (film)	2.26	22.55 lbs/yd3, Tellus
19	Retail grocery	298	Compactor	75.30	Recycling	Cardboard	154.85	700 lbs/yd3 bale, USEPA
19					Composting	Food (compost)	96.40	per store manager
19					Recycling	Fat (rendering)	18.80	57 lbs/ft3, FEECO
19					Recycling	Plastic (film)	4.71	22.55 lbs/yd3, Tellus
20	Retail grocery	298	Compactor	75.30	Recycling	Cardboard	154.85	700 lbs/yd3 bale, USEPA
20					Composting	Food (compost)	96.40	per store manager
20					Recycling	Fat (rendering)	18.80	57 lbs/ft3, FEECO
20					Recycling	Plastic (film)	4.71	22.55 lbs/yd3, Tellus
21	Retail grocery	520	Compactor	131.47	Recycling	Cardboard	197.62	700 lbs/yd3 bale, USEPA
21					Reuse	Food (donation)	8.72	per store manager
21					Recycling	Fat (rendering)	6.23	57 lbs/ft3, FEECO
21					Recycling	Plastic bottles (HDPE)	0.11	0.1 lbs/8 oz bottle, USEPA
21					Recycling	Plastic bottles (HDPE)	0.33	0.33 lbs/1 gallon jug, USEPA
21					Recycling	Plastic (film)	2.26	22.55 lbs/yd3, Tellus
22	Oil and Gas Company	889	Roll off	97.43	Recycling	Cardboard	65.00	100 lbs/yd3 (uncompacted), USEPA
22					Recycling	Cardboard	7.64	8 lbs/33 gallons (shredded), USEPA
22					Recycling	Aluminum cans	0.71	5.61 lbs/33 gallons, USEPA
22					Recycling	Paper (mixed)	31.45	363.5 lbs/yd3, USEPA
22					Recycling	Paper (white)	73.74	400 lbs/yd3 (uncompacted, stacked), USEPA
22					Recycling	Plastic (HDPE)	1.39	0.33 lbs/1 gallon jug, USEPA
22					Reuse	Plastic (polystyrene)	0.07	1.5 lbs/33 gallons (packaging), USEPA
22					Recycling	Wood	3.30	329.5 lbs/yd3, Tellus
22					Reuse (donation)	Computers + office equipmt	45.00	90,000 lbs/year, per manager
23	Medical/Hospital	318	Compactor	129.90	Recycling	Aluminum cans	0.80	2.11 lbs/13 gallons, USEPA
23				580.11	Recycling	Cardboard	109.20	700 lbs/bale, USEPA
23					Recycling	Paper (white)	68.47	42.35 lbs/55 gallons, USEPA
23					Recycling	Plastic (PETE)	0.12	0.83 lbs/33 gallons, USEPA
23					Reuse	Toner cartridge	0.30	2.5 lbs each, USEPA
24	Retail - Drug Store	1,040	Roll off	113.95	Recycling	Cardboard	182.00	700 lbs/yd3 bale, USEPA
24					Recycling	Paper (white)	0.46	25.41 lbs/33 gallons, USEPA
24					Recycling	Plastic (film)	0.28	22.55 lbs/yd3, Tellus
24					Recycling	Plastic crates (HDPE)	0.00	1.2 lbs each (beverage case), USEPA (not included)
24					Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA

TABLE 1. SUMMARY OF ALL BUSINESSES SURVEYED - WEST CONTRA COSTA COUNTY (Attachment 9)

Ref. #	Type of Business	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
25	Discount grocery	520	Compactor	131.47	Recycling	Cardboard	135.30	700 lbs/yd3 bale, USEPA
25					Recycling	Alum. Cans	0.02	5.61 lbs/33 gallons, USEPA
25					Reuse	Food (donation)	5.97	per store manager
25					Recycling	Fat (rendering)	6.23	57 lbs/ft3, FEBCO
25					Recycling	Plastic bottles (HDPE)	0.10	0.1 lbs/8 oz bottle, USEPA
25					Recycling	Plastic bottles (HDPE)	0.33	0.33 lbs/1 gallon jug, USEPA
25					Recycling	Plastic (film)	1.41	22.55 lbs/yd3, Tellus
25					Reuse	Plastic crates (HDPE)	0.00	2 lbs/13 gallon crate, per manager (not included)
25					Reuse	Toner cartridge	0.02	2.5 lbs each, USEPA
26	Retail	832	Roll off	210.35	Recycling	Cardboard	9.50	0.99 lbs/beverage case, USEPA
26					Recycling	Cardboard	5.50	2.2 lbs/box (medium), USEPA
26					Recycling	Tires	55.00	20 lbs each (car tire), USEPA
27	Discount grocery	520	Compactor	131.47	Recycling	Cardboard	129.36	700 lbs/yd3 bale, USEPA
27					Reuse	Food (donation)	5.71	per store manager
27					Recycling	Fat (rendering)	6.23	57 lbs/ft3, FEBCO
27					Recycling	Plastic bottles (HDPE)	0.11	0.1 lbs/8 oz bottle, USEPA
27					Recycling	Plastic bottles (HDPE)	0.33	0.33 lbs/1 gallon jug, USEPA
27					Recycling	Plastic (film)	1.33	22.55 lbs/yd3, Tellus
28	Cemetery	266	Roll off	29.19	Source reduce (Grasscycle)	Grass	228.00	7.6 tons/acre/year - CIWMB
29	Retail - Clothing	885	Compactor	223.75	Recycling	Cardboard	9.19	100 lbs/yd3 (uncompacted), USEPA
29					Recycling	Plastic (film)	13.79	22.55 lbs/yd3, Tellus
29					Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA
30	Discount grocery	520	Compactor	131.47	Recycling	Cardboard	102.14	700 lbs/yd3 bale, USEPA
30					Reuse	Food (donation)	4.51	per store manager
30					Recycling	Fat (rendering)	6.23	57 lbs/ft3, FEBCO
30					Recycling	Plastic bottles (HDPE)	0.10	0.1 lbs/8 oz bottle, USEPA
30					Recycling	Plastic bottles (HDPE)	0.17	0.33 lbs/1 gallon jug, USEPA
30					Recycling	Plastic (film)	1.13	22.55 lbs/yd3, Tellus
31	Utility services	864	Compactor	218.44	Recycling	Paper (white)	5.71	42.35 lbs/55 gallons, USEPA
31					Reuse	Toner cartridge	0.45	2.5 lbs each, USEPA
32	Bank	624	Roll off	68.37	Recycling	Cardboard	2.40	50.08 lbs/yd3, Tellus
32					Recycling	Paper (mixed)	113.41	363.5 lbs/yd3, USEPA
32					Reuse	Toner cartridge	0.98	2.5 lbs each, USEPA
33	Retail - Drug Store	832	Roll off	91.16	Recycling	Cardboard	91.00	700 lbs/yd3 bale, USEPA
33					Recycling	Cardboard	0.33	2.2 lbs each (medium), USEPA
33					Recycling	Paper (white)	0.26	25.41 lbs/33 gallons, USEPA
33					Recycling	Plastic (film)	0.28	22.55 lbs/yd3, Tellus
33					Reuse	Plastic crates (HDPE)	0.00	1.2 lbs each (beverage case), USEPA (not included)
33					Recycling	Plastic (mixed HDPE and PET)	0.11	32 lbs/yd3, USEPA.
33					Reuse	Toner cartridge	0.03	2.5 lbs each, USEPA
34	Department store	240	Compactor	60.68	Reuse	Cardboard	2.00	2.2 lbs each (medium), USEPA
34					Recycling	Cardboard	109.20	700 lbs/yd3 bale, USEPA
34					Reuse	Plastic (film)	3.72	22.55 lbs/yd3, Tellus
34					Reuse	Plastic (mixed HDPE and PET)	0.18	32 lbs/yd3, USEPA.
34					Reuse	Toner cartridge	0.03	2.5 lbs each, USEPA
35	Hardware & outdoor supplies		Roll off		Soil & green waste		0.38	70-75 lbs/ft3 (earth, common, dry), FEBCO
35					Recycling	Glass	1.20	80-100 lbs/ft3, FEBCO
35					Recycling	Cardboard	91.00	700 lbs/bale, USEPA
35					Recycling	Paper (mixed)	1.89	655 lbs/yd3 (computer printout), USEPA
36	Laboratory	1,248	Roll off	136.74	Recycling	Cardboard	2.60	50.08 lbs/yd3, Tellus
36					Recycling	Paper (white)	18.90	363.51 lbs/yd3, Tellus
37	Laboratory	1,040	Roll off	113.95	Recycling	Cardboard	5.21	50.08 lbs/yd3, Tellus
37					Recycling	Paper (white)	18.90	363.51 lbs/yd3, Tellus
38	Laboratory	1,040	Roll off	113.95	Recycling	Cardboard	2.60	50.08 lbs/yd3, Tellus
38					Recycling	Paper (white)	18.90	363.51 lbs/yd3, Tellus

TABLE 1. SUMMARY OF ALL BUSINESSES SURVEYED - WEST CONTRA COSTA COUNTY (Attachment 9)

Ref. #	Type of Business	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
39	Retail	1,170	Roll off	128.19	Recycling	Cardboard	7.51	50.08 lbs/yd3, Tellus
39					Recycling	Plastic (bottles)		Amount included in Drop-off totals
40	Retail	702	Roll off	76.92	Recycling	Cardboard	31.25	50.08 lbs/yd3, Tellus
40					Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA
41	Auto supplies retail	780	Roll off	85.46	Reuse	Cardboard	0.03	2.2 lbs each (medium), USEPA
41					Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA
42	Retail	936	Roll off	102.55	Recycling	Scrap metal		906 lbs/yd3, USEPA (not counted)
42					Recycling	Paper (mixed)	0.69	363.5 lbs/yd3, USEPA
42					Reuse	Toner cartridge	1.30	2.5 lbs each, USEPA
43	Retail	624	Roll off	68.37	Recycling	Cardboard	31.25	50.08 lbs/yd3, Tellus
43					Recycling	Plastic bottles (PETE)	0.22	0.83 lbs/33 gallons, UPEPA
44	Office supply retail store	468	Roll off	51.28	Recycling	Cardboard	1.14	2.2 lbs/box (medium), USEPA
44					Recycling	Paper (mixed)	37.80	363.5 lbs/yd3, USEPA
44					Reuse	Toner cartridge	0.03	2.5 lbs each, USEPA
45	Wholesale Food	60	Compactor	15.17	Recycling	Cardboard	3.76	50.08 lbs/yd3, Tellus
45					Recycling	Paper (mixed)	62.23	363.5 lbs/yd3, USEPA
45					Reuse	Toner cartridge	0.83	2.5 lbs each, USEPA
46	Bookstore	416	Roll off	45.58	Reuse	Cardboard	0.57	2.2 lbs/box (medium), USEPA
46			19.63		Recycling	Cardboard	11.72	50.08 lbs/yd3, Tellus [hauler data]
46					Reuse	Books (donation)	27.30	30 lbs/box x 30-40 boxes/week, per manager
47	Pharmaceuticals	416	Roll off	45.58	Recycling	Cardboard	13.62	50.08 lbs/yd3, Tellus
47					Recycling	Paper (white)	3.20	42.35 lbs/55 gallons, USEPA
48	Retail	52	Roll off	5.70	Reuse	Cardboard	14.30	2.2 lbs each (medium), USEPA
48					Recycling	Cardboard	5.21	50.08 lbs/yd3, Tellus [hauler data]
48					Reuse	Paper	0.26	5 lbs/ream, USEPA
48					Reuse (donation)	Paper	0.60	5 lbs/ream, USEPA
48					Recycling	Plastic (film)	4.34	22.55 lbs/yd3, Tellus
48					Reuse	Plastic (styrofoam)	0.03	1.2 lbs each (beverage case), USEPA
48					Reuse	Wood pallets	24.00	40 lbs each, USEPA; full credit for repair
48					Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA
49	Retail	468	Roll off	51.28	Recycling	Cardboard	7.44	2.2 lbs/box (medium), USEPA
50	Retail	416	Roll off	45.58	Recycling	Cardboard	0.40	2.2 lbs/box (medium), USEPA
51	Retail grocery	208	Roll off	22.79	Reuse	Cardboard	1.43	2.2 lbs/box (medium), USEPA
51					Recycling	Cardboard	18.20	700 lbs/yd3 bale, USEPA
51					Reuse	Paper (white)	0.13	5 lbs/ream, USEPA
51					Recycling	Plastic (HDPE)	0.18	1.2 lbs each (beverage case), USEPA
51					Reuse	Toner cartridge	0.13	2.5 lbs each, USEPA
52	Retail - Drug Store	416	Roll off	45.58	Recycling	Cardboard	0.01	2.2 lbs/box (medium), USEPA
52					Recycling	Plastic bottles (PETE)	0.06	0.09 lbs/bottle, USEPA
52					Reuse	Toner cartridge	0.04	2.5 lbs each, USEPA
53	Chemical Company	364	Roll off	39.88	Recycling	Cardboard	0.90	50.08 lbs/yd3, Tellus
53					Recycling	Paper (mixed)	0.69	363.5 lbs/yd3, USEPA
53					Reuse	Paper (white)	0.88	42.35 lbs/55 gallons, USEPA
53					Recycling	Aluminum cans		Amount included in Drop-off totals
53					Reuse	Toner cartridge	0.08	2.5 lbs each, USEPA
54	Retail - Drug Store	260	Roll off	28.49	Recycling	Paper (mixed)	1.08	363.5 lbs/yd3, USEPA
54					Reuse	Plastic crates (HDPE)	0.00	2 lbs/13 gallon crate, per manager (not included)
55	Insurance	156	Roll off	17.09	Reuse	Toner cartridge	0.00	2.5 lbs each, USEPA
56	Transporation/Shipping	144	Roll off	15.78	Recycling	C&D (cement)	13.50	100 lbs/yd3 (bulk), FEEO
56					Recycling	Paper (white)	1.90	42.35 lbs/55 gallons, USEPA
56					Recycling	Aluminum cans		Amount included in Drop-off totals
56					Reuse	Toner cartridge	0.03	2.5 lbs each, USEPA
57	Transporation/Shipping	208	Roll off	22.79	Recycling	Paper (mixed)	3.08	363.5 lbs/yd3, USEPA
57					Recycling	Paper (white)	1.32	42.35 lbs/55 gallons, USEPA
57					Recycling	Aluminum cans		Amount included in Drop-off totals
57					Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA
58	Retail appliances	208	Roll off	22.79	Recycling	Cardboard	0.11	2.2 lbs/box (medium), USEPA
58					Reuse	Cardboard	0.57	2.2 lbs/box (medium), USEPA
58					Recycling	Plastic (film)	0.63	72.32 lbs/yd3 (LDPE), Tellus
58					Recycling	Plastic (mixed HDPE and PET)	0.83	32 lbs/yd3, USEPA
58					Reuse	Toner cartridge	0.02	2.5 lbs each, USEPA

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Ref. #	Type of Business	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
59	Auto sales and service	104	Roll off	11.39	Recycling	Cardboard	3.06	50.08 lbs/yd3, Tellus
59					Reuse	Toner cartridge	0.03	2.5 lbs each, USEPA
60	Laboratory	104	Roll off	11.39	Recycling	Cardboard	2.60	50.08 lbs/yd3, Tellus
61	Mail services	17	Roll off	1.83	Reuse	Paper (white)	0.60	25.41 lbs/33 gallons, USEPA
61					Reuse	Paper (white)	0.03	5 lbs/ream, USEPA
61					Recycling	Cardboard	3.91	50.08 lbs/yd3, Tellus
61					Reuse	Plastic (styrofoam)	3.76	6.27 lbs/yd3, Tellus
61					Reuse	Toner cartridge	0.68	2.5 lbs each, USEPA
62	Retail	94	Roll off	10.26	Recycling	Aluminum scrap		175 lbs/yd3 (whole), Tellus. Not counted since business started 1978.
63	Retail	430	Compactor	108.8				
64	Retail		Roll off		Reuse	Cardboard	1.29	2.2 lbs/box (medium), USEPA
64					Recycling	Paper (white)	0.30	25.41 lbs/33 gallons, USEPA
64					Reuse	Plastic (HDPE)	2.08	2 lbs/13 gallon crate, per manager
64					Reuse	Wood pallets	1.04	40 lbs each, USEPA; full credit for repair
65	Retail	8	Roll off	0.90	Composting	Soil & green waste	0.68	70-75 lbs/ft3 (earth, common, dry), FEECO
65					Recycling	Plastic	1.50	0.25 lbs per 1 quart pot, USEPA
66	Education		Roll off	150.00	Composting	Soil & green waste	5.00	As reported by facility to CIWMB
66					Recycling	Scrap metal		As reported by facility (not counted)
66					Source reduce (Grasscycle)	Grass	7.00	As reported by facility to CIWMB
66					Reuse	Toner cartridge	0.40	As reported by facility to CIWMB
Totals for Audited Non-Governmental Commercial/Industrial		36,591		6,591			24,340.21	Percent of Diversion
DOC Diversion Subtracted from Total							464.36	
Totals for Audited Non-Governmental Commercial/Industrial (DOC subtracted)							23,875.85	
	Total Audited Non-Governmental Commercial/Industrial Recycling						20,420.25	85.5%
	Total Audited Non-Govt. Commercial/Industrial Composting						600.97	2.5%
	Audited Non-Govt. Commercial/Industrial Source Reduction/Reuse						2,854.62	12.0%

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Ref. #	Type of Business	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
1	City Government Diversion				Source reduce	Green waste (grassecycling)	1,170.75	350lb/1000ft.2, CIWMB; reported by cities
1					Composting	Green waste Composting (not ADC)	561.60	Amount reported by cities
1					Reuse	Green waste (mulching)	121.21	527 lb/cy, Tellus, reported by cities
1					Reuse	Asphalt and Gravel	19,921.70	1380 lbs/yd3 (asphalt/paving, crushed), Tellus. 2565 lbs/yd3 (gravel, loose), Tellus.
2	Non-City Government				Source reduce	Green waste (grassecycling)	3,560.08	350lb/1000ft.2, CIWMB; reported by school district and govt. agency
2					Recycling	Paper	1.72	Reported by offices
2					Source reduce	Other Reuse	0.01	Reported by offices
2					Source reduce	Paper	0.77	Reported by offices
2					Reuse	Donation	0.25	Reported by offices
2					Reuse	Toner cartridge	0.02	2.5 lbs each, USEPA
Totals for Government							25,338.10	Percent of Diversion
Total Government Recycling							1.72	0.0%
Total Government Composting							561.60	2.2%
Total Government Source Reduction/Reuse							24,774.79	97.8%
Grand Total Diversion for Commercial/Industrial Sector Including Government							49,213.95	Percent of Diversion
Grand Total Recycling for Commercial/Industrial Sector Including Government							20,421.97	41.50%
Grand Total Composting for Commercial/Industrial Sector Including Government							1,162.57	2.36%
Grand Total Source Reduction/Reuse for Commercial/Industrial Sector Including Government							27,629.41	56.14%

*Based on 219 lbs/y3 density for roll offs and 506 lbs/yd3 density for compactors (source: Peavy et al). Some audited businesses did not report disposal.